1. **What I Learned** *Summarize what you learned from the activity. Include major points of what you learned or understood better after the experience.*

   Server Manager is a management console that allows IT professionals to provision and manage both local and remote servers without the need for RDP. Server manager can manage up to 100 servers depending on the workloads the servers are running. In Windows Server the server manager allows the installation of roles and features to local and remote servers, or virtual hard disks. Servers Can have more than one Role assigned. Server Roles are related sets of software components that allow servers to do something specific on the network. Some role services have a single role or function while others have multiple role services you can install. Features are software components that provide additional functionality. You can install multiple features or none depending on the configuration. Keep in mind that some roles or features have dependencies and must have those installed to function. The wizard will mention what dependencies are required or the other way around if you want to remove something it will tell you if it breaks anything or you need to remove those roles.

2. **Questions** *Answer the questions in Step 3. Include the original question (copy/paste), followed by your answer. Please document all research and include the sources on the last page and title it 'Sources'. (APA style is not required)*

Step 3: Questions

1. **What role or roles were installed with your base install of Server?**

   Storage Services

2. **What are some of the benefits of installing the Active Directory role?**

   Active Directory Allows for centralized management of users, computers, and resources, enhanced security through controlled access and policy enforcement, simplified user experiences via single sign-on, and improved resource management, allowing for scalable and efficient IT operations.

3. **What role stores information about objects on the network and makes this information available to users and network administrators?**

   Active Directory Domain Services.

4. **What role provides a reliable, manageable, and scalable Web application infrastructure?**
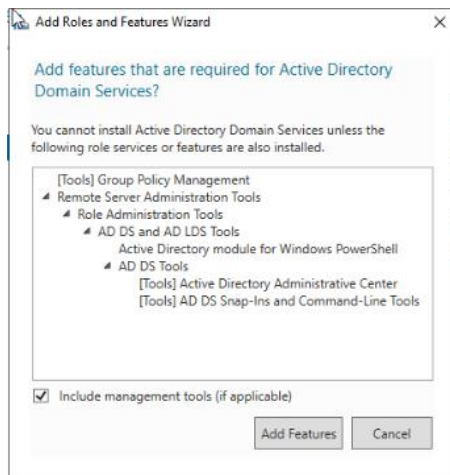
   Web Server.

5. **What role enables users to access remote desktops?**
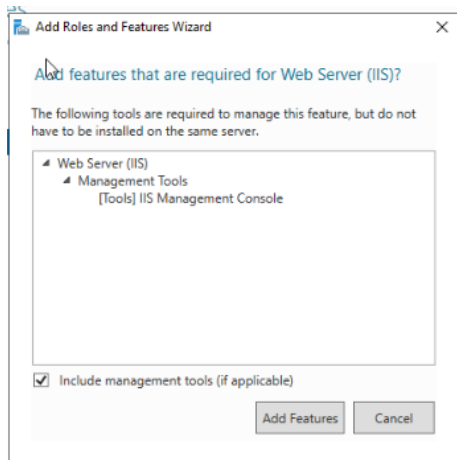
   Remote desktop Services.

6. **What role includes functionality that you can install to help manage file servers?**

   File and Storage Services, File and iSCSI Services

7. **What roles and features must be installed along with Active Directory Domain Services?**
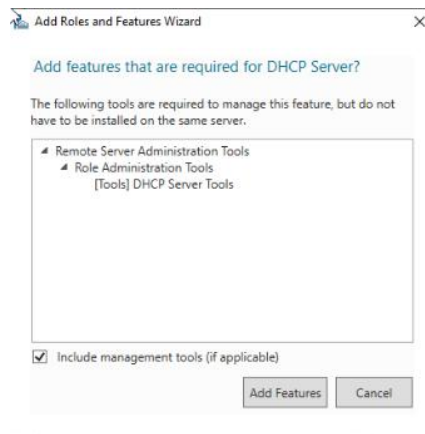

8. **What roles and features must be installed along with Web Server (IIS)?**

9. **What is a DHCP Server?**

   A DHCP server provides centralized control over IP addressing and DHCP servers can dynamic IP addresses and essential TCP/IP settings to other computers on the network.
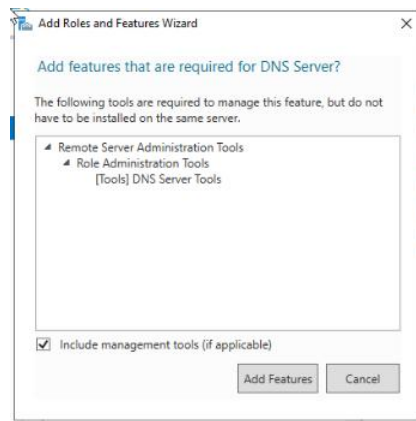
10. What roles and features must be installed along with DHCP Server *(if any)*?
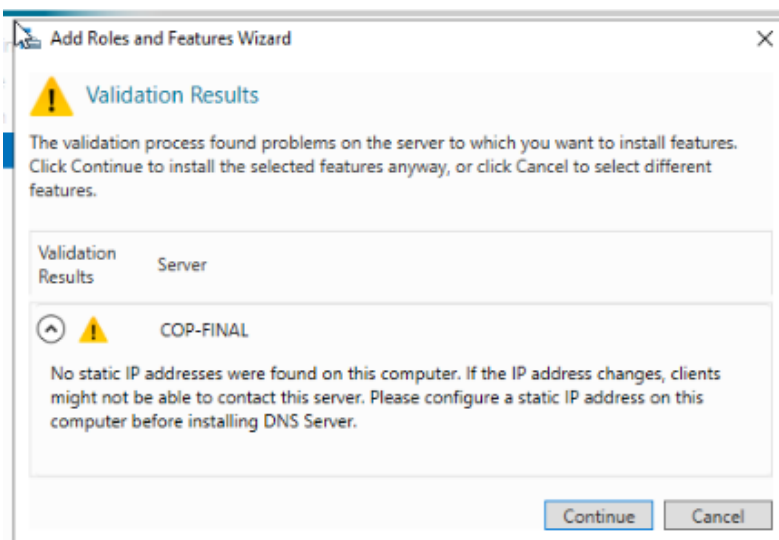

11. What is a DNS Server?

A DNS server provides host name resolution for TCP/IP networks.

12. What roles and features must be installed along with DNS Server *(if any)*?

13. Using the Install Wizard, select the role DNS Server and install it. What happened?

Add Roles and Features Wizard ✕

⚠ **Validation Results**

The validation process found problems on the server to which you want to install features.
Click Continue to install the selected features anyway, or click Cancel to select different
features.

Validation Results	Server
⊙ ⚠	COP-FINAL

No static IP addresses were found on this computer. If the IP address changes, clients
might not be able to contact this server. Please configure a static IP address on this
computer before installing DNS Server.

[Continue] [Cancel]

Sources:

Question 2:
https://www.google.com/search?q=What+are+some+of+the+benefits+of+installing+the+Active+Directory+role%3F&rlz=1C1RXQR_enUS1132US1132&oq=What+are+some+of+the+benefits+of+installing+the+Active+Directory+role%3F&gs_lcrp=EgZjaHJvbWUyBggAEEUYOTIICAEQABgHGB4yBggCEAAYHtIBCDU0MzlqMGo3qAIAsAIA&sourceid=chrome&ie=UTF-8